



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor
Thomas W. Easterly
Commissioner

November 26, 2007

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

VIA CERTIFIED MAIL 7005 1160 0001 2613 0331

Mr. Edward J. Kanizer, II
Landfills, Inc.
13150 South Kanizer Drive
Clinton, Indiana 47842

Dear Mr. Kanizer:

Re: Approval of Renewal of
Solid Waste Facility Permit 83-08
West Clinton Landfill
Vermillion County

The facility permit renewal application for the above-referenced facility received on May 4, 2006, for the West Clinton Landfill has been reviewed and certified as meeting the requirements of IC 13-15-1-3 and 329 IAC 10-13-2. This permit renewal applies to the municipal solid waste landfill located west of Centenary, south of State Road 163 in Vermillion County, Indiana, which contains approximately 47.6 acres approved for filling. The permittee or operator shall operate this facility according to the terms and requirements of this renewal permit letter and enclosures and the applicable statutes and regulations in effect on the effective date of this renewal. This facility permit renewal FP 83-08 will expire on November 1, 2012.

This permit renewal allows Landfills, Inc. to update the facility design to comply with current rules and allows operations to continue at the facility subject to the terms of this letter and the enclosed requirements. In accordance with 329 IAC 10-13-4, solid waste facility permit FP 83-08 does not authorize: any injury to any person or private property; the invasion of other private rights; the infringement of federal, state, or local laws or regulations; nor preempt any duty to comply with other state or local requirements.

In accordance with 329 IAC 10-13-3, this permit is valid through November 1, 2012. To continue operation past this period, a renewal application in accordance with 329 IAC 10-11-5.1(b) must be submitted a minimum of one hundred twenty (120) days prior to the expiration date of the permit.

Mr. Kanizer

Page 2

Pursuant to IC 4-21.5, a Petition for Review of this permit renewal letter may be initiated by you, as applicant, or by an "aggrieved or adversely affected person." This permit renewal becomes effective once all applicable time periods for petitioning for Stays of Effectiveness have expired, unless you are notified in writing by an Environmental Law Judge that the permit renewal has been further stayed. As discussed in our enclosed Notice of Decision, if you wish to challenge this decision, you must file a Petition for Review with the Office of Environmental Adjudication within eighteen (18) days from the date that this permit renewal letter was mailed, pursuant to IC 4-21.5-3-7.

If you have any questions or comments about your application or the permitting process, call (800) 451-6027, press 0 and ask for Kelly Hall or extension 3-0449, or call direct at (317) 233-0449.

Sincerely,



Thomas Linson, Chief
Permits Branch
Office of Land Quality

Enclosures: Notice of Decision
Letter to the The Daily Clintonian
Letter to the Clinton Public Library
Permit Requirements
Leachate Generation and Recirculation Report

cc: Vermillion County Health Department (with enclosure)
Vermillion County Commissioners (with enclosure)
Vermillion Solid Waste Management District (with enclosure)
The Honorable Phillip Kruger, Town Council President (with enclosure)
The Honorable Ron Shepard, Mayor of Clinton (with enclosure)

PERMIT REQUIREMENTS

- A. General Permit Requirements**
- B. Construction Requirements**
- C. Operational Requirements**
- D. Gas Emission Control and Monitoring**
- E. Ground Water Monitoring Requirements**
- F. Closure Requirements**
- G. Post-Closure Requirements**
- H. Financial Responsibility for Closure and Post-Closure**

A. GENERAL PERMIT REQUIREMENTS

- A1. The permittee shall comply with all the applicable requirements of 329 IAC 10, where not specifically addressed in this permit.
- A2. It is recommended that all required submittals be printed double-sided and sent via certified mail. All reports, notifications, ground water reports, and other information required to be submitted by this permit should be sent to:

**Ms. Kelly Hall
Indiana Department of Environmental Management
Office of Land Quality
Solid Waste Permits Section - Mail Code 65-45
100 North Senate Avenue, Rm. 1154
Indianapolis, Indiana 46204-2251**

- A3. The permittee shall report to the Indiana Department of Environmental Management (IDEM) any event which may cause an imminent and substantial endangerment to human health or the environment. This information must be reported orally to IDEM within twenty-four (24) hours from the time the permittee becomes aware of the event. The permittee shall also provide a written report to IDEM within five (5) days of the time of the event. The report shall include for each event: date and time, possible causes, actions taken or planned to correct, reduce, eliminate, and prevent recurrence of the event.

B. CONSTRUCTION REQUIREMENTS

- B1. The permittee shall comply with 329 IAC 10-17 (Construction Requirements).
- B2. The permittee shall notify IDEM in writing at least fifteen (15) days in advance of the construction of each unit or portion of the unit.
- B3. The permittee must design and construct all new landfill units in compliance with 329 IAC 10. In order for the facility to develop any permitted but currently unfilled landfill units for waste disposal, the permittee must submit a modification application to IDEM. IDEM must approve the application prior to construction to ensure that any new landfill unit's design is in compliance with all applicable State and federal solid waste regulations.
- B4. All liner and final cover components such as: clay-type soil, drainage material, geomembrane, geotextile, geocomposite, geosynthetic clay liner (GCL), and protective cover, if applicable, must be tested and installed as specified in the approved Construction Quality Assurance (CQA) Plan and the applicable requirements of 329 IAC 10-15-7 and 329 IAC 10-17 except as otherwise noted in this permit.

C. OPERATIONAL REQUIREMENTS

- C1. The permittee shall comply with 329 IAC 10-20 (Operational Requirements).
- C2. The site benchmark shall be maintained throughout the entire life and post-closure care period of the facility and noted on all submitted maps.
- C3. Solid waste disposal shall be limited to the areas delineated by the solid waste boundary line titled "Limits of October 93 Footprint Area" as shown on Sheet 4 of 6, titled "Final Grade Plan," dated February 2000, revised September 20, 2000, and received by IDEM on November 9, 2000.
- C4. The Storm Water Pollution Prevention Plan's drawings and documentation dated July 31, 2004 and July 28, 2004, respectively, were received by IDEM on August 3, 2004. In response to the IDEM Request for Additional Information letter dated November 24, 2004, the revised Storm Water Pollution Prevention Plan's drawings (Sheets 1 – 4 of 4) and documentation dated January 25, 2005 and January 24, 2005, were received by IDEM on January 25, 2005. Additionally, one drawing (Sheet 1 of 4) and the documentation were both updated on February 28, 2005 and received by IDEM on March 4, 2005.

The storm water drainage is currently discharged from three (3) outfalls identified as Outfall 001, 002 and 004. All storm water from these outfalls is received by Brouilletts Creek. All of these outfalls will be replaced at closure by Outfall 003 that will also discharge to Brouilletts Creek.

- a. The permittee shall comply with all of the permit requirements that pertain to any previous major or minor modification and the renewal, unless otherwise specified here.
- b. The permittee shall assure compliance with the requirements of 329 IAC 10-15-12.
- c. The permittee shall follow the plans and the documentation dated July 31, 2004, and July 28, 2005, and July 25, 2005 received by IDEM on August 3, 2004, January 25, 2005, and March 4, 2005.
- d. Semi-annual storm water sampling analyses data taken from the facility sedimentation ponds/basins must be submitted within sixty (60) days following the collection of each semi-annual sample. Storm water discharges that do not pass through the facility sedimentation pond, are exposed to industrial activity, and then discharge to waters of the state must follow the sampling procedures as described in 327 IAC 15-6-7.3 (a)(5) through (9) and monitor the parameters listed in 329 IAC 10-20-11 (f)(1).
- e. In the event that there are any changes to a SWP3 as a result of management practices, administration changes, etc. the updated plan must be kept on-site and must be available at the time of an IDEM on-site inspection.

- f. All records and information resulting from the storm water sampling events, including all records of analyses performed and calibration and maintenance of all instrumentation, must be retained for a minimum of three (3) years.
 - g. All land disturbance activities must be in compliance with the erosion/sedimentation control practices as required by 329 IAC 10. The facility may use the book entitled "Indiana Handbook for Erosion Control in Developing Areas Manual" dated October 1992. This manual can be obtained from the Division of Soil Conservation, Indiana Department of Natural Resources.
 - h. Per 329 IAC 10-20-28 regarding self-inspection, the permittee shall monitor and inspect the facility a minimum of twice each month, including all the following temporary and permanent erosion and sedimentation control structures such as, but not limited to: drainage features, berms, dikes, outfall discharges, riprap channels, silt fences, vegetative cover, erosion control blankets or geotextiles, sediment traps and basins, pumps and sumps, culverts and on-site borrow pits.
- C5. The permittee must not exceed final elevations for Phases I and II shown on plan sheet 4 of 6, titled "Final Grade Plan" dated February 2000, revised September 20, 2000, and received by IDEM on November 9, 2000.
- The permittee must perform elevation checks of all active disposal areas on a monthly basis. Elevation checks must be performed more frequently if the waste disposal rate significantly increases. Results of elevation checks must be plotted on the facility plan and retained on-site for reference.
- C6. Phase II must be filled with fly ash. If any other type of solid waste is to be placed within Phase II, a minor modification application and appropriate plans and calculations must be submitted to IDEM and written approval obtained prior to implementation of any changes in Phase II. No municipal solid waste as defined in 329 IAC 10-2-115 may be placed in the Phase II area unless the waste is placed over a composite liner system.
- C7. The "xxxxx" hashed area (the non-municipal waste disposal area) denoted on Plan Sheets 2, 4, and 5, received by IDEM on November 9, 2000, with final closure slopes less than 15 percent must be filled with construction /demolition and/or coal ash material only.
- C8. The permittee must maintain the temporary markers identifying the perimeter of the existing limits of the twenty-five (25) acre waste placement area. Markers must be located at each corner and spaced no more than two hundred (200) feet between corners.
- C9. The facility shall not accept any industrial process waste or pollution control waste as defined by 329 IAC 10 without written approval from IDEM unless otherwise noted in this permit.

D. GAS EMISSION CONTROL AND MONITORING

- D1. The permittee shall comply with 329 IAC 10-20-17 (Explosive Gases).

- D2. Pursuant to 329 IAC 10-20-17, the permittee must submit a methane monitoring program (MMP) within ninety (90) days for the Commissioner's approval. The Commissioner's review of the MMP will be based on the methane monitoring program non-rule policy document available on the IDEM website at http://www.in.gov/idem/rules/policies/sw/mmp_npd.html. The permittee must revise the MMP if notified to do so by the IDEM, Office of Land Quality (OLQ) or if methane gas levels trigger additional remediation as required by 329 IAC 10-20-17(d). Any revision to the MMP must be approved by OLQ prior to implementation.
- D3. The New Source Performance Standards initial design capacity report, dated June 27, 2001, was received by IDEM on July 5, 2001. The facility has a design capacity of 1.07 million cubic meters. The permittee shall comply with its New Source Performance Standards/Emission Guidelines Design Plan (NSPS/EG Design Plan), 40 CFR 60, and 326 IAC 8-8 and 8-8.1, as applicable.

E. GROUND WATER MONITORING REQUIREMENTS

- E1. The permittee shall comply with 329 IAC 10-21.
- E2. The detection monitoring system includes the ground water monitoring wells WCU-1R, WCU-2, WCU-3, WCU-4 and WCU-5 of which WCU-1R is considered upgradient.
- E3. Detection monitoring shall take place in **March** and **September** of every year.
- E4. Pursuant to 329 IAC 10-21-2, the permittee must follow the ground water monitoring plan (Sampling and Analysis Plan (SAP)) dated September 18, 2000. The permittee must revise the SAP if notified to do so by OLQ. Any revision to the SAP must be approved by OLQ prior to implementation, but will not be considered a modification of this permit.
- E5. All analytical data from required ground water sampling events must be submitted to OLQ within sixty (60) days of the sampling event. This submittal must include one (1) original unbound laboratory certified report with field sheets and chain of custody forms; and one (1) electronic version of the analytical results with the field parameters including pH, specific conductance, dissolved oxygen, Eh, temperature, well depth, depth to water, and static water elevation.

The electronic version must be on electronic formatted disk such as CD-ROM or DVD; or may be submitted via electronic mail (e-mail) to the e-mail address, [**olqdata@idem.in.gov**](mailto:olqdata@idem.in.gov). The facility name and a brief description of the file contents should be clearly marked on the digital media or typed in the subject heading of the e-mail. The electronic version should be submitted as an ASCII, tab-delimited text file and contain the facility's name, permit number, and the name of the analytical laboratory. Field parameters and analytical results must include the fields listed below:

1. Sampling Date: Month, day, and year
2. Well Name: Include permitted and corrective action wells
3. Sample Type: Regular, duplicate(s), trip blank(s), equipment blank(s), field

- blank(s), verification re-sample(s) and replicate(s)
4. Sample Medium: Ground water, leachate, soil, surface water, etc.
 5. Species Name: Chloride, sodium, ammonia, etc. (Identify metals as being analyzed in the "total" phase or "dissolved" phase. Example: arsenic (dissolved).)
 6. Concentration (results) The entry must be a number. Do not enter text such as "NA", "ND" or "<".
 7. Concentration Units: mg/l, ug/l, standard units for pH, degrees Celsius (°C), or degrees Fahrenheit (°F) for temperature, mvols for Eh, and umhos/cm for specific conductance
 8. Detected: Yes or no
 9. Detection Limit
 10. Analytical Methods
 11. Estimated Value: Indicate "Yes" if the reported value is an estimated value. If a value is estimated, use the "Comment" field to explain why the value was estimated
 12. Comment: Analytical lab and/or field personnel comments regarding the reported results.
- E6. Pursuant to 329 IAC 10-21-6, the permittee must follow the Statistical Evaluation Plan (StEP) dated May 2000 that was approved by the OLQ letter of June 14, 2000. The permittee must revise the StEP if notified to do so by OLQ. Any revision to the StEP must be approved by OLQ prior to implementation, but will not be considered a modification of this permit.

F. CLOSURE REQUIREMENTS

- F1. The permittee shall comply with 329 IAC 10-22 (Closure Requirements).
- F2. The permittee shall notify IDEM in writing at least fifteen (15) days prior to the intended date to begin closure of each unit or portion of the unit.
- F3. a. The final cover for Phases I and II, including the "xxxxx" hashed area referenced in Requirement C7 of this Permit, shall be constructed in accordance with the approved final grading plan, Plan Sheet 4 of 6 identified in Requirement F6.a.4 of this Permit and 329 IAC 10-22-7(b)(2).
- b. The maximum final waste elevation for Phases I and II must not exceed 637 feet M.S.L. The maximum final cover elevation for Phases I and II is 642 feet M.S.L.
- F4. Final cover for Phases V through VIII must comply with applicable requirements of 329 IAC 10. The maximum final elevation for Phases V through VIII of the landfill is 612 feet M.S.L. The final slopes must not be greater than 33 percent and not less than 4 percent.
- F5. Final cover shall be constructed whenever any area of the landfill is filled to its approved elevation, less the distance attributed to the cover materials or within one hundred eighty (180) days of receiving its final waste volume.

- F6. a. Final closure shall proceed in accordance with the facility closure plan, "MUNICIPAL SOLID WASTE LANDFILL CLOSURE PLAN," dated May 20, 1999, applicable requirements of 329 IAC 10 and the following drawings:
1. Sheet 1 of 6, titled "Existing Features," dated 10/30/00 and received by IDEM on 11/9/00.
 2. Sheet 2 of 6, titled "Final Grade Plan," dated 10/30/00 and received by IDEM on 11/9/00.
 3. Sheet 3 of 6, titled "Topographic Plot Plan," dated 8/8/00 and received by IDEM on 8/10/00.
 4. Sheet 4 of 6, titled "Final Grade Plan," dated February 2000, revised September 20, 2000 and received by IDEM on 11/9/00.
 5. Sheet 5 of 6, titled "Surface Water Plan," dated 10/30/00 and received by IDEM on 11/9/00.
 6. Sheet 6 of 6, titled "Surface Water Details," dated 8/8/00 and received by IDEM on 8/10/00.
- F7. The cover materials must be tested and placed in accordance with the approved Construction Quality Assurance plan.
- F8. IDEM certified thirteen (13) acres of the facility as closed on June 24, 1999. However, post-closure of the closed portion of the landfill shall not begin until the entire facility is certified closed.

G. POST-CLOSURE REQUIREMENTS

- G1. The permittee shall perform post-closure monitoring and maintenance in accordance with the applicable requirements of 329 IAC 10-23 and with the facility post-closure plan dated May 21, 1999 and received by IDEM on November 9, 2000.

H. FINANCIAL RESPONSIBILITY FOR CLOSURE AND POST-CLOSURE

- H1. The permittee shall update the financial responsibility instrument for the current year (2007-2008) as required by 329 IAC 10-39 for closure and post-closure. Annual updates shall be submitted no later than June 15 of each year.
- H2. A final contour map which meets the requirements of 329 IAC 10-39-2(c) must also be submitted annually.

- H3. If facility operations, site design, or ground water monitoring are significantly changed to affect the financial responsibility amount, then the permittee shall amend the closure and post-closure cost estimates to reflect these changes.